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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE BOARD OF PATENT APPEALS AND INTERFERENCES

THEODORE W. HOUSTON

Serial No. 10/054,957 (TI-25000.1)

Filed January 25, 2002

For: ASYMMETRICAL DEVICES FOR SHORT GATE
LENGTH PERFORMANCE WITH DISPOSABLE SIDEWALL

Art Unit 2822

Examiner Toniae M. Thomas

Customer No. 23494

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Sir:

REPLY BRIEF

In reply to the Examiner's Answer, appellant continues to rely upon the arguments presented in the Brief of Appeal.

It is readily evident from a review of Figs. 4A and 4B of the subject disclosure that the channel region contains a central region 27 and two regions 29 between the central region and the source and drain regions 3 and 5. This arrangement is clearly stated in claim 10 by the language "a channel region between said source/drain regions in said substrate having a relatively low V_T central region between said source/drain regions and relatively high controlling V_T regions adjacent to said source/drain regions, said channel region having an implanted one of a positive or negative V_T dopant intermediate said source/drain regions and having an implanted

one of a negative or positive V_T dopant adjacent said source/drain regions, the opposite of said dopant in said central region; wherein controlling V_T is defined as that region which is the least conducting region and thus controls the current flow". This language clearly requires an arrangement as set forth in Figs. 4A and 4B and does not read on Fig. 1 of Jones et al. where it is clear that both of the channel regions 27 and 28 extend along the entire channel region from source 12 to drain 13.

It follows that Jones et al. is not readable on the embodiment of Figs. 4A and 4B as claimed in claim 10 under 35 U.S.C. 102(b).

For the reasons stated above as well as in the Brief on Appeal, reversal of the final rejection and allowance of the claims on appeal is requested that justice be done in the premises.

Respectfully submitted,



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